

**DEPARTMENT OF TRANSPORTATION**

ESC/OE MS #43  
1727 30TH Street, 2ND Floor  
Sacramento, CA 95816



June 30, 2000

04-SCI-17-0.0/11.4  
04-1R6304

Addendum No. 3

Dear Contractor:

This addendum is being issued to the contract for construction on State highway in SANTA CLARA COUNTY ON ROUTE 17 FROM SANTA CLARA COUNTY LINE TO THE JUNCTION OF ROUTE 9.

Submit bids for this work with the understanding and full consideration of this addendum. The revisions declared in this addendum are an essential part of the contract.

Bids for this work will be opened on July 11, 2000. The original bid opening date was previously postponed indefinitely under Addendum No. 2 dated May 26, 2000.

This addendum is being issued to set a new bid opening date as shown herein and revise the Project Plans, the Notice to Contractors and Special Provisions and the Proposal and Contract.

Project Plan Sheet 2 is revised. A half-sized copy of the revised sheet is attached for substitution for the like-numbered sheet.

In the Notice to Contractors and Special Provisions the footnote on pages 1-39 is revised to read "Contract No. 04-1R6304".

In the Special Provisions, Section 10-1.01A, "Cooperation," is added as attached.

In the Special Provisions, Section 10-1.07, "Traffic Control System for Lane Closure," the eighth paragraph is deleted.

In the Special Provisions, Section 10-1.07A, "Temporary Pavement Delineation," is added as attached.

In the Special Provisions, Section 10-1.11C, "Remove Traffic Stripe and Pavement Marking," is deleted, and replaced with the attached Section 10-1.11C, "Remove Thermoplastic Traffic Stripe and Pavement Marking."

In the Special Provisions, Section 10-1.13, "Asphalt Concrete," the second paragraph is amended to read:

"Open Graded asphalt concrete may be placed when the atmospheric temperature is below 20°C, but above 10°C, provided the following requirements are met:

- A. The aggregate grading shall be 12.5-mm maximum.
- B. Open Graded asphalt concrete shall not be placed in a windrow or stockpile. Open Graded asphalt concrete shall be transferred directly from the hauling vehicle to the asphalt paver hopper.
- C. Open Graded asphalt concrete shall be not less than 30 mm in compacted thickness.
- D. Immediately prior to adding the asphalt binder to the Open Graded asphalt concrete mixture, the temperature of the aggregate shall be not more than 163°C. Open Graded asphalt concrete shall be spread at a temperature of not less than 140°C measured in the hopper in the asphalt paver.

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E. The compaction operation shall be such that the maximum distance between the asphalt paver and the initial breakdown rolling shall be no greater than 15 m. In addition to the requirements for rollers and operators specified in Section 39, "Asphalt Concrete," of the Standard Specifications, one additional roller with operator shall be used during night-time paving operations.

F. The Contractor shall cover loads of Open Graded asphalt concrete with tarpaulins. The tarpaulins shall completely cover exposed Open Graded asphalt concrete in the hauling vehicle until the Open Graded asphalt concrete has been completely discharged from the hauling vehicle."

In the Proposal and Contract, the Engineer's Estimate Item 4 is revised and Item 17 is added as attached.

To Proposal and Contract book holders:

REPLACE PAGE 3 OF THE ENGINEER'S ESTIMATE IN THE PROPOSAL WITH THE ATTACHED REVISED PAGE 3 OF THE ENGINEER'S ESTIMATE. THE REVISED ENGINEER'S ESTIMATE IS TO BE USED IN THE BID.

INDICATE RECEIPT OF THIS ADDENDUM BY FILLING IN THE NUMBER OF THIS ADDENDUM IN THE SPACE PROVIDED ON THE SIGNATURE PAGE OF THE PROPOSAL.

SUBMIT BIDS IN THE PROPOSAL AND CONTRACT BOOK YOU NOW POSSESS. HOLDERS WHO HAVE ALREADY MAILED THEIR BOOK WILL BE CONTACTED TO ARRANGE FOR THE RETURN OF THEIR BOOK.

INFORM SUBCONTRACTORS AND SUPPLIERS AS NECESSARY.

This office is sending this addendum by UPS overnight mail to Proposal and Contract book holders to ensure that each receives it.

If you are not a Proposal and Contract book holder, but request a book to bid on this project, you must comply with the requirements of this letter before submitting your bid.

Sincerely,

ORIGINAL SIGNED BY

NICK YAMBAO, Chief  
Office of Plans, Specifications & Estimates  
Division of Office Engineer

Attachments

#### **10-1.01A COOPERATION**

Attention is directed to Section 7-1.14, "Cooperation," and Section 8-1.10, "Utility and Non-Highway Facilities," of the Standard Specifications and these special provisions.

It is anticipated that work will be in progress by other contractors within or adjacent to the project limits of this contract. The Contractor shall coordinate all work operations with those of other contractors performing work within or in the vicinity of the contract limits. Contracts which are presently anticipated to occur within, or in the vicinity of the project limits, during the working period of this contract include, but are not necessarily limited to, the following:

Contract No. 04-0C6004, SCI-17-11.4/14.4, Rt. 9 to Lark Avenue, replaces concrete pavement NB and SB, and is expected to be completed during the summer of 2000.

Contract No. 05-463004, SCr-17-6.0/12.6, Scotts Valley Rd. to the Santa Cruz County line, resurfacing NB and SB, currently underway.

Progress schedules for the contracts involving work which may affect the Contractor's operations may be inspected, when available, upon request to the Engineer. Such progress schedules are tentative, and no warranty is made by the State that such work will actually be performed as indicated by the schedules.

The Contractor shall attend joint weekly meetings as necessary, to be organized by the Engineer, with other contractors on adjacent projects, State Maintenance forces, and other agencies involved, for the purpose of coordination and minimization of conflicts.

Full compensation for cooperation, coordinating operations, and for conforming to the requirements of this section shall be considered as included in the contract prices paid for the various contract items of work involved, and no additional compensation will be allowed therefor.

#### **10-1.07A TEMPORARY PAVEMENT DELINEATION**

Temporary pavement delineation shall be furnished, placed, maintained, and removed in conformance with the provisions in Section 12-3.01, "General," of the Standard Specifications and these special provisions. Nothing in these special provisions shall be construed as reducing the minimum standards specified in the Manual of Traffic Controls published by the Department or as relieving the Contractor from his responsibility as provided in Section 7-1.09, "Public Safety," of the Standard Specifications.

##### **GENERAL**

Whenever the work causes obliteration of pavement delineation, temporary or permanent pavement delineation shall be in place prior to opening the traveled way to public traffic. Laneline or centerline pavement delineation shall be provided at all times for traveled ways open to public traffic.

Work necessary, including required lines or marks, to establish the alignment of temporary pavement delineation shall be performed by the Contractor. Surfaces to receive temporary pavement delineation shall be dry and free of dirt and loose material. Temporary pavement delineation shall not be applied over existing pavement delineation or other temporary pavement delineation. Temporary pavement delineation shall be maintained until superseded or replaced with a new pattern of temporary pavement delineation or permanent pavement delineation.

Temporary pavement markers and removeable traffic tape which conflicts with a new traffic pattern or which is applied to the final layer of surfacing or existing pavement to remain in place shall be removed when no longer required for the direction of public traffic, as determined by the Engineer.

##### **TEMPORARY LANELINE AND CENTERLINE DELINEATION**

Whenever lanelines and centerlines are obliterated, the minimum laneline and centerline delineation to be provided shall be temporary raised pavement markers placed at longitudinal intervals of not more than 7.3 m. The temporary raised pavement markers shall be the same color as the laneline or centerline the markers replace. Temporary raised pavement markers shall be, at the option of the Contractor, one of the temporary pavement markers listed for short term day/night use (14 days or less) or long term day/night use (6 months or less) in "Approved Traffic Products" of these special provisions.

Temporary raised pavement markers shall be placed in conformance with the manufacturer's instructions and shall be cemented to the surfacing with the adhesive recommended by the manufacturer, except epoxy adhesive shall not be used to place pavement markers in areas where removal of the markers will be required.

Temporary laneline or centerline delineation consisting entirely of temporary raised pavement markers placed on longitudinal intervals of not more than 7.3 m shall be used on lanes open to public traffic for a maximum of 14 days. Prior to the end of the 14 days, the permanent pavement delineation shall be placed. If the permanent pavement delineation is not placed within the 14 days, additional temporary pavement delineation shall be provided at the Contractor's expense. The additional temporary pavement delineation to be provided shall be equivalent to the pattern specified for the permanent pavement delineation for the area, as determined by the Engineer.

Where "no passing" centerline pavement delineation is obliterated, the following "no passing" zone signing shall be installed prior to opening the lanes to public traffic. C18 (ROAD CONSTRUCTION AHEAD) or C23 (ROAD WORK AHEAD) signs shall be installed from 300 m to 600 m ahead of "no passing" zones. R63 (DO NOT PASS) signs shall be installed at the beginning and at every 600-m interval within "no passing" zones. For continuous zones longer than 3 km, W71 (NEXT \_\_\_\_\_ MILES) signs shall be installed beneath the C18 or C23 signs installed ahead of "no passing" zones. R64 (PASS WITH CARE) signs shall be installed at the end of "no passing" zones. The exact location of "no passing" zone signing will be as determined by the Engineer and shall be maintained in place until permanent "no passing" centerline pavement delineation has been applied. The signing for "no passing" zones shall be removed when no longer required for the direction of public traffic. The signing for "no passing" zones shall conform to the provisions in "Construction Area Signs" of these special provisions, except for payment.

Full compensation for furnishing, placing, maintaining, and removing the temporary raised pavement markers used for temporary laneline and centerline delineation (including the signing specified for "no passing" zones) and for providing equivalent patterns of permanent traffic lines for these areas when required shall be considered as included in the contract prices paid for the items of work that obliterated the laneline and centerline pavement delineation and no separate payment will be made therefor.

##### **TEMPORARY EDGELINE DELINEATION**

Whenever edgelines are obliterated on multilane roadways (freeways and expressways), the edgeline delineation to be provided for that area adjacent to lanes open to public traffic shall consist of, at the option of the Contractor, either solid 100-mm wide traffic stripe of the same color as the stripe the temporary edgeline delineation replaces or shall consist of traffic cones, portable delineators or channelizers placed at longitudinal intervals not to exceed 30 m.

Traffic stripe (100-mm wide) placed for temporary edgeline delineation, which will require removal, shall consist of temporary removeable construction grade striping and pavement marking tape listed in "Approved Traffic Products" of these special provisions. Temporary removeable construction grade striping and pavement marking tape when used shall be applied in conformance with the manufacturer's recommendations. Where removal of the 100-mm wide traffic stripe will not be required, painted traffic stripe used for temporary edgeline delineation shall conform to "Paint Traffic Stripes and Pavement Markings" of these special provisions, Section 84-3, "Painted Traffic Stripes And Pavement Markings," of the Standard Specifications, except for payment and the number of coats shall be, at the option of the Contractor, either one or 2 coats. The quantity of painted traffic stripe used for temporary edgeline delineation will not be included in the quantities of paint traffic stripe to be paid for.

The lateral offset for traffic cones, portable delineators or channelizers used for temporary edgeline delineation shall be determined by the Engineer. If traffic cones or portable delineators are used as temporary pavement delineation for edgelines, the Contractor shall provide personnel to remain at the project site to maintain the cones or delineators during hours of the day that the cones or delineators are in use.

Channelizers used for temporary edgeline delineation shall be the surface mounted type and shall be orange in color. Channelizer bases shall be cemented to the pavement in the same manner provided for cementing pavement markers to pavement in "Pavement Markers" of these special provisions, except epoxy adhesive shall not be used to place channelizers on the top layer of pavement. Channelizers shall be, at the Contractor's option, one of the surface mount types (900 mm) listed in "Approved Traffic Products" of these special provisions.

Temporary edgeline delineation shall be removed when no longer required for the direction of public traffic, as determined by the Engineer.

Full compensation for furnishing, placing, maintaining, and removing temporary edgeline delineation shall be considered as included in the contract prices paid for the items of work that obliterated the edgeline pavement delineation and no separate payment will be made therefor.

#### **10-1.11C REMOVE THERMOPLASTIC TRAFFIC STRIPE AND PAVEMENT MARKING**

Thermoplastic traffic stripes and pavement markings to be removed shall be removed at the locations shown on the plans and at the locations designated by the Engineer.

Yellow thermoplastic traffic stripes and pavement markings may contain lead and chromium. Residue produced when yellow thermoplastic material is removed may contain heavy metals in concentrations that exceed hazardous waste thresholds established by the California Code of Regulations and may produce toxic fumes when heated.

The removed thermoplastic material shall be disposed of at a Class 1 disposal facility in conformance with the requirements of the disposal facility operator within 90 days after accumulating 100 kg of residue and dust. The Contractor shall make all arrangements with the operator of the disposal facility and perform all testing of the thermoplastic residue required by the operator. The Contractor shall submit the name and location of the facility along with testing requirements to the Engineer no less than 21 days prior to removal of yellow thermoplastic traffic stripes and pavement markings.

The Contractor shall submit the written compliance programs required in Subsection (e)(2), "Compliance Program," of Section 1532.1, "Lead," of the Construction Safety Orders to the Engineer not less than 21 days prior to start of removal operations. The compliance programs shall be prepared by an industrial hygienist certified by the American Board of Industrial Hygiene and shall cover all the Contractor's employees removing or handling the yellow thermoplastic residue. Inspection reports shall be made in conformance with Section 1532.1, "Lead," and shall be submitted to the Engineer.

Prior to performing any removal of yellow thermoplastic material, personnel who have no prior lead training, including State personnel, shall complete a safety training class provided by the Contractor, which meets the requirements of Title 8, Section 1532.1. State personnel to be trained shall be 3.

Where grinding or other methods approved by the Engineer are used to remove thermoplastic traffic stripes and pavement markings, the residue, including dust, shall be contained and collected immediately. Sweeping shall not be allowed. Collection shall be by HEPA vacuum attachment operated concurrently, or other equally effective method, with removal operations. The Contractor shall submit a removal, storage, and disposal workplan in writing to the Engineer for approval not less than 21 days prior to start of removal operations.

The collected yellow thermoplastic residue shall be stored in properly labeled and covered containers approved by the United States Department of Transportation for transportation and temporary storage. The containers shall be handled in such a manner that no spillage will occur. The containers shall be stored in a secured enclosure at a location within the project limits approved by the Engineer while awaiting test results required by the operators of the disposal facility.

The Contractors attention is directed to the "Water Pollution Control," elsewhere in these special provisions.

Removed yellow thermoplastic material shall remain the property of the State.

The removed yellow thermoplastic material shall be transported to the Class 1 disposal facility by a transporter currently registered with the California Department of Toxic Substance Control using current manifesting procedures. The Engineer will obtain the United States Environmental Protection Agency Identification Number and sign all manifests as the generator. The California Board of Equalization Number (State Generator's ID) for this project is HY HQ 36-020676.

The Contractor shall assume that the yellow thermoplastic residue is not regulated under the Federal Resource Conservation and Recovery Act (RCRA). Additional disposal costs for residue regulated under RCRA, as determined by test results, will be paid for as extra work as provided in Section 4-1.03D of the Standard Specifications.

Except as otherwise provided above for possible additional costs to be paid for as extra work, full compensation for submitting the required compliance programs, making arrangements with the Class 1 disposal facility operator, providing for the temporary storage of the thermoplastic residue within a secured area, testing the thermoplastic residue as required by the disposal facility operator, transportation of the thermoplastic residue to the Class 1 disposal facility, and disposal of the thermoplastic residue, all as specified herein, shall be considered as included in the contract prices paid per meter for remove thermoplastic traffic stripe and for remove thermoplastic pavement marking, and no additional compensation will be allowed therefor.

Nothing in these special provisions shall relieve the Contractor from the Contractor's responsibilities as provided in Section 7-1.09, "Public Safety," of the Standard Specifications.

**ENGINEER'S ESTIMATE**  
**04-1R6304**

Item	Item Code	Item	Unit of Measure	Estimated Quantity	Unit Price	Item Total
1 (S)	120090	CONSTRUCTION AREA SIGNS	LS	LUMP SUM	LUMP SUM	
2 (S)	120100	TRAFFIC CONTROL SYSTEM	LS	LUMP SUM	LUMP SUM	
3 (S)	128650	PORTABLE CHANGEABLE MESSAGE SIGN	EA	4		
4	150714	REMOVE THERMOPLASTIC TRAFFIC STRIPE	M	17 200		
5	150715	REMOVE THERMOPLASTIC PAVEMENT MARKING	M2	380		
6	150722	REMOVE PAVEMENT MARKER	EA	7200		
7 (S)	153151	COLD PLANE ASPHALT CONCRETE PAVEMENT (25 MM MAX)	M2	250		
8	190185	SHOULDER BACKING	STA	33		
9	198007	IMPORTED MATERIAL (SHOULDER BACKING)	TONN	340		
10	390106	ASPHALT CONCRETE (OPEN GRADED)	TONN	13 300		
11	397001	ASPHALTIC EMULSION (PAINT BINDER)	TONN	80		
12 (S)	840515	THERMOPLASTIC PAVEMENT MARKING	M2	200		
13 (S)	840561	100 MM THERMOPLASTIC TRAFFIC STRIPE	M	22 900		
14 (S)	840563	200 MM THERMOPLASTIC TRAFFIC STRIPE	M	900		
15 (S)	850101	PAVEMENT MARKER (NON-REFLECTIVE)	EA	4700		
16 (S)	850103	PAVEMENT MARKER (REFLECTIVE-SPECIAL TYPE G)	EA	930		
17 (S)	850104	PAVEMENT MARKER (REFLECTIVE-SPECIAL TYPE H)	EA	1700		

**TOTAL BID:** \_\_\_\_\_